

Catalyst

Newsletter

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Microsoft's
Excel™

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Texas Union MicroCenter•210 East 21st Street
(512)471-6227•Monday-Friday: 9am-4pm

Texas Union

MicroCenter

NEW PRODUCTS

PrinterMate \$12.00

We now have a new and better printer stand for your Imagewriter, Think Jet, or whatever type of printer you happen to have. The two attractive vinyl clad steel legs hold the printer steady and are tall enough to allow quite a bit of paper to rest beneath it. The PrinterMate is the same color as the Mac.

Easel Wallet \$9.95

For all of you who loved the Easel disk holder we have something new. It's the Easel Wallet. This disk holder carries six disks and is about the size of a woman's wallet. The nylon and velcro materials are waterproof and there is a pocket on the inside for business cards or identification.

New Paper \$8.95

We got so many requests for high quality paper that we have finally ordered some. We now have 25 % rag content paper, as well as ivory colored bond paper. This paper comes in packages of 250 sheets. We also still sell the regular 20 weight bond paper in quantities of 250, 1000 and 2500 sheets.

Douglas Carrying Case \$64.00

This carrying case is made by an Austin based company and while it costs the same as the Apple brand case it does offer some different features. It comes with an Easel-like disk holder which has its own pocket in the side of the case. The Douglas case is also made of a more water resistant material than the Apple bag.

Imagewriter Carrying Cases \$35.00

We've just begun stocking a new Imagewriter case. This one is shaped like a briefcase and is roughly the same size. The Imagewriter is easy to put in the case and is a snug fit. The case is khaki colored to match the Apple Mac Case.

Julie Webb

Wishbringer by Infocom \$23.49

It starts with a ransom note that leads you to unbelievable adventures guided by a magical stone called Wishbringer. In this new game you're more than a passive reader. You can talk to the story by typing in full English sentences and actually shape the story's course of events through your choice of actions. There is so much to see and do your adventure can last for weeks even months!

CHRISTMAS GIFT IDEAS

Teak Disk Banks \$19.99

We just received some beautiful wooden teak disk banks for 3 1/2" disks. The banks close just like an old fashioned roll-top desk. It's really great looking and would be a classy addition to any computer ensemble. We also will have them for 5 1/4" disks.

MicroFile/40 Disk Banks \$11.95

This disk bank is a great buy. It's inexpensive, has built in dividers, and holds 40 disks free from dust in a compact case.

Colored Ribbons \$7.00

Want to make your own Christmas cards or letters? They can look really distinctive and colorful if you use colored ribbons. They come in red, green, blue, brown, yellow and purple.

Printer Stand \$9.95

A great thing to go with a teak disk bank is a varnished wood printer stand. The stand holds the paper at an angle that allows you to see what your printing more easily. It has felt on the bottom which protects your table and a rubber strip on the top which protects your printer and keeps it from slipping.

Macintosh Dust Covers \$18.00

Everyone knows that busy students don't always have the time to clean as often they should. But you won't have to worry about your Mac getting dusty if you buy our dust covers. The dust covers are made of khaki fabric and come in a set which include covers for the Mac, printer, keyboard, and mouse.

Mouse Pad \$6.00

Surprise your favorite Mac owner with this original stocking stuffer. The rubber pad allows your mouse to glide over the tabletop which also protects the mouse and lengthens your mouse's life expectancy.

Disk Drive Cleaning Kit \$21.95

This Kit contains everything you need to keep your drive operating properly. The Kit includes enough cleaning materials for 12 cleanings. They are: 1 reusable cleaning cartridge, 1 bottle of cleaning fluid, 12 cleaning disks, and cleaning instructions.

Carrying Cases **\$64.00 and \$75.00**

Buy yourself a gift for Christmas! How about a carrying case. You'll wonder how you ever lived without it. No more looking around for boxes that don't quite fit. These cases are made of strong canvas, fully padded, with three inside compartments which hold the keyboard, disk drive, and mouse. They also come with padded shoulder straps.

PRODUCT DESCRIPTIONS

KENSINGTON A/B BOX

Do you have more peripherals than your Mac has ports, or are you trying to hook more than one Mac to one peripheral? If so, then you undoubtedly spend a lot of time disconnecting one serial cable and connecting another. Wouldn't it be nicer if all you had to do was to press button "A" to engage one and press button "B" to engage the other? It just so happens that the Kensington A/B Box does just exactly that.

There is currently a wide variety of items like printers, modems, digitizers, hard disks, and networks that we would like to hook up to our Macs, but they all require the use of a serial port. With such a large selection of gadgets, and only two serial ports, it's not long before most serious Macintosh users run out of ports. The A/B Box allows two peripherals to share one port, or two computers to share one peripheral. All you have to do is push the appropriate button. It is as simple as that.

Macintosh Revealed

Vol. 1 Unlocking the Toolbox

Vol. 2 Programming with the Toolbox

Those of you who have had the opportunity to read *Inside Macintosh*, may have gotten the feeling that all it does is "lay all of the cards out on the table" and drop a few hints on how to put them together to create a Macintosh application? For the most part I have found that all of the cards are there, but the trick is understanding how to play each card in the big game of software development. To the more experienced Macintosh programmer, *Inside Macintosh* serves as a helpful reference manual. To the programmer who is new to the Mac, *Inside Macintosh* might as well be a phone book. It is deficient when it tries to explain "how to" write software for the Mac.

The best thing to do, if you find that you are having problems following *Inside Macintosh*, is to refer to other supplemental sources. The best that I have found is *Macintosh Revealed* (Vol. 1 Unlocking

the Toolbox and Vol. 2 *Programming with the Toolbox*) which is part of the Hayden Macintosh Library.

All of the information in *Macintosh Revealed* is in *Inside Macintosh*. But *Macintosh Revealed* only covers the more important and more commonly used managers in the Macintosh ROM. The main advantage to this book is that it is a lot more thorough in explaining how to program the Mac and it does so much more clearly.

Some of the topics that *Vol. 1 Unlocking the Toolbox* discusses are organization and management of Mac memory, grafports, Quickdraw, resources, fonts, as well as Finder and System information.

Vol. 2 Programming with the Toolbox, discusses events, windows, menus, text display, text edit, controls, dialogs, and files. Also, there is a complete Pascal source code listing for a text editor in this volume.

Both volumes have very helpful quick reference appendixes and a glossary.

It is important to understand that, even though *Macintosh Revealed* is superior to *Inside Macintosh* in many respects, it should not be purchased instead of *Inside Macintosh*. The best strategy would be to use them both as complementary references.

Don Parsons

MICROCENTER HARD DISKS

What are hard disks? Like floppy disks, hard disks are media on which information can be stored. Unlike floppy disks, hard disks are able to store much more. As such, when one speaks of the amount of information which can be stored on a hard disk, one does not give denominations in "K," but in "M." One "K" is, of course, 1024 bytes, or characters, of information. One "M" is 1024 "K." In general usage, however, "M" is referred to as a "megabyte."

Ten megabyte hard disks have been, for the past few years, the standard. That standard, like many others in the microcomputer industry, has begun to change. Today, it seems that many hard disk manufacturers have been producing "entry" systems at twenty megabytes. This is not to say that ten megabyte hard disks have been completely displaced; on the contrary, they have just been overshadowed.

Even though it sounds as if this situation is somewhat negative, it is actually just the reverse. Not everybody needs more than ten megabytes. And even if they did, ten megabytes is certainly much more than what they must already have. To put things in perspective, ten megabytes can store the equivalent of some twenty-five 400K floppy disks. With careful management, then, ten megabytes can go a long way.

Thus, since ten megabyte hard disks are still available, and since, obviously, the ten megabyte version of any brand of hard disk should be somewhat less expensive than its 20 or more megabyte cousin, the ten megabyte hard disk has become a much more "purchasable" item for Macintosh owners.

Indeed, the MicroCenter will be selling Tecmar's ten-megabyte MacDrive for \$400.00. This is a special limited time offer. We don't know how long, only that it is limited. The MacDrive plugs into either the Macintosh's modem or printer port. If you are not using AppleTalk, Apple's local area networking system, then you may plug the MacDrive into either port. Appletalk user's will need to plug the MacDrive into the modem port (AppleTalk is connected to the printer port). In any event, that the MacDrive plugs into one of the Macintoshes serial ports is of no concern; the used port is replaced by a corresponding one on the MacDrive. For example, suppose you plug your MacDrive into the Macintosh's modem port. If you have a modem, then you will now plug it into the MacDrive's replacement port. In this way, you will have "daisy-chained" the MacDrive and modem to your Macintosh.

If you "daisy chain" your printer to the MacDrive it supports print spooling/buffering. This means that when you go to print a document, instead of the document being sent directly to the printer, it is sent to a dedicated buffer area in the MacDrive. In this way, the MacDrive "fools" the computer into believing that it is printing to a printer, when in reality it is printing to a buffer. Because printing to a hard disk or electronic memory is faster than printing to a mechanical printing device, the time the application spends waiting for the printing to finish is reduced. Consequently, you will be able to perform other tasks with your computer while you wait for the hard disk to finish spooling what is left to print. If at any time during the course of the printing you wish it to stop, you may run the Volume Manager, and use the "flush spooler" option. Generally, you will first turn your printer off before you deactivate the spooling.

The MacDrive allows you to use the Macintosh in the usual way, except that instead of disks, you will be using "volumes." In actuality, each disk that you place into your Macintosh's drive(s) becomes a mounted volume; the Finder does the mounting for you. With the MacDrive, you will set up volumes, which can be of whatever size you choose, and pick which ones will be mounted as the hard disk is booted. Volume sizing, creation, and deletion is done with a utility called "Volume Manager." If, during the course of your work you discover that you need a volume that you do not already have mounted, you may run the Volume

Manager and mount it. However, since you may only have four volumes mounted at once (a MacDrive limitation), you may have to dismount another volume which you do not need. With judicious selection of what goes into which volume, this sort of mounting/dismounting can be greatly reduced.

Another hard disk that the MicroCenter will be carrying is the recently announced Apple HardDisk 20. This will be a twenty megabyte Apple product. It will sell for \$1095.00 and is due to ship from Apple sometime in the latter part of November.

Currently, there is only a limited amount of information available as to what the HardDisk 20 will be like. However, at least two things are certain; that, one, the HardDisk 20 will plug into the Macintosh's external drive port; and that, two, it will support a new topological filing system. As in the case of the Tecmar drive, that the HardDisk 20 plugs into the external drive port does not mean that use of an external floppy drive is lost. On the contrary, even another HardDisk 20 may be daisy-chained from the first one.

The new topological filing system, which goes by the name TFS (for turbo filing system), is one which more fully supports the idea of "folders." In the filing system's present form, all files on a disk are on the same topological level; the folders one has on the desktop are simply aesthetic dividers. In TFS, folders will actually represent levels of topology. In this way, you will be able to place like items on the same level. For example, you might want to have a folder which contains all of your applications, or at least those that you use in conjunction with each other. In another folder, which may or may not be contained within you applications' folder, you might have textual documents, and in another you might have graphical documents. In any case, just as with the Tecmar MacDrive, the better you manage the storage of your drive, the more efficient your work be.

So, if you are in the market for a hard disk drive, stop by the MicroCenter and take a look at either the ten-megabyte Tecmar MacDrive or the twenty-megabyte Apple HardDisk 20.

Mike Puckett

EXCEL

Spreadsheets, business graphics and databases. Macintosh has them all! Microsoft Multiplan gives you a number crunching spreadsheet, Microsoft Chart gives you business graphics and Microsoft File gives you database needs. Having this powerful software is nice, but transporting the data between the programs isn't that easy, in some cases it is down right difficult. Excel combines these three areas of information management software. The

spreadsheet is new and more powerful, the charting is a takeoff from Microsoft Chart, and Excel incorporates database primitives on cells you select.

Excel uses Multiplan as a subset of its spreadsheet commands. All the standard functions are available along with a new innovation in spreadsheet operations called MACROS. A macro is a series of commands that can be enacted by one command, either by a call to a function "macro" in the spreadsheet cell, or by a user defined key command.

Macros are created in two different ways. recording, or programming. When recording, Excel will remember all the spreadsheet commands that you have used. Any menu command, mouse selection, or keyboard entry can be recorded.

When programming a macro, the result is the same as in recording, except you tell the macro what commands to remember by typing them into a macro file.

Excel can work with different files at the same time. A formula in one cell can reference a cell that is on a different sheet. This is very handy for many tasks that involve simple relations between files.

Excel allows you to do charting directly from a currently opened file. A fast and easy method that involves one menu command. This certainly is a giant leap from the old standard, which was to copy information from a spreadsheet and quit that spreadsheet. Start the charting program and paste the information. Changing information in the spreadsheet later meant having to run chart again to rechart with the new information.

Excel can do database operations on a selected field of cells. A user provided header defines the fields.

Example:

<u>Customer</u>	<u>Amount</u>	<u>Date</u>	<u>Order#</u>
John Doe	\$200.00	11/5	109024
etc.	etc...		

Having a database on a spreadsheet is new to the Mac environment and becomes powerful when you find and extract information in the database. Excel allows you to define criteria to search and find under. The information that is found can be displayed or extracted to a selected area of the sheet.

Excel is a wonderful program that I found very powerful and useful for laborious tasks. A Macintosh business office with Excel as its information manager is a sure winner.

Eric Johnson

AT THE VIDEOS

a review of VIDEOWORKS

VideoWorks is just the thing to use for animation and it has all of the tools necessary for any computer nerd to create professional animated graphics. The animation process as explained in the manual is easy enough to follow, but make sure to walk through the guided tour. There is also a short history of animation as an intro to the manual that is informative.

To design a cast for animated sequences, Cheap paint and Art Grabber are the tools provided to the artist. Cheap paint is a scaled down version of Mac Paint. Art Grabber is a useful desk accessory that allows the user to open a Macpaint document to copy designs and characters for passing to the Cheap paint easel. It's probably better to design characters and backgrounds (called "sprites" in the video works lingo) in MacPaint and grab them with Art Grabber, then paste into the Cheap Paint easels. For editing scenes, a window can be opened to display the current score. Scenes can be Cut/copied for editing from this window. Sound effects can be added in the score. You can even cut a scene from another film and paste it into the current project. If you're really serious, though, you'll need at least 512k RAM.

This program is one of the best animation programs available for the Mac. For detailed frame-by-frame animation, none are better. Now available at the MicroCenter.

Richard Howard

SIDEKICK

The Macintosh office manager

A monthly calendar, a datebook, an automatic phone dialer, a print spooler, a multifunction business calculator, a telecommunication program - You name it- this program most probably has got it. It's called SideKick, and it's a desktop organizer designed to bring personal information, time management and telecommunications capabilities to your Macintosh. The programs that make up SideKick are fully integrated desk accessories and applications that share common data files; hence, information is automatically distributed to many of the programs.

All of SideKick's desk accessories reside in the Apple pull-down menu and can be easily installed using SideKick's own desk accessory installer. Some of these desk accessories include :

A Monthly Calendar that displays the entire month for any year from 1905 to 2030 (!). This calendar includes a notepage at the bottom of the

display to note down important events for any day of the month.

Area Code Lookup which displays locality, region and time zone for any area code in North America.

A Multifunction Business Calculator - Complete with algebraic, trigonometric and financial functions available.

A full-screen editor / mini word processor that creates Macwrite and Word-compatible text files.

A Print-Spooler that prints any Macintosh text file without tying up your Mac.

MacTerm -A terminal program that operates 300,1200 and 2400 baud Hayes compatible modems.

Credit Card and Expense Account files

The SideKick *application* allows you to have a complete set of telephone management features right at your fingertips. You can create your very own phonebook files and then just click a name in your Phonebook directory to have a window immediately displays that person's phone number and his/her personal data. To use the automatic dialing capabilities of SideKick, you need Borland's phone-link interface cable connected to your Macintosh or Habadialer. Using this interface allows to click a person's name and have SideKick dial that person's phone number automatically. A PhoneLog provides you with a complete record of your telephone activities, such as duration of call, phone charges, and start and stop times of your call. On-line help is available at any time for all of SideKick's powerful features.

This great program costs only \$51.00 and is available now at the MicroCenter.

Ana Asturias

ACCESSORY PAK 1

Anyone who has tried to Cut or Copy an entire MacPaint document, and found it was impossible, should look into a useful product from Silicon Beach Software named cleverly enough, "Accessory Pak 1". This package is a conglomeration of some useful and some not so useful programs and Desk Accessories that sells for \$25.95 (MicroCenter price).

The most powerful application found on "Accessory Pak" is called "Paint Cutter". "Paint Cutter" allows a full page MacPaint picture to be

manipulated, not just a screenful at a time. It can copy the entire document to the Clipboard or Scrapbook, print MacPaint pictures in high quality and 50% reduction, and do other graphic procedures as well. A 512K Mac is required to run "Paint Cutter" because of the memory needed to manipulate an entire picture.

Another program that comes with "Accessory Pak 1" is "Screen Saver", which causes the Macintosh screen to automatically turn off after a predetermined period of time, helping to ensure that no images are permanently burned into the screen. This is probably only useful for people who frequently leave their Mac on and unattended for a period of time.

The Desk Accessories that come with "AP1" include "MacPaint Rulers", which add measuring rulers to MacPaint (with scales in inches, centimeters or pixels), and "Coordinates", a DA that displays the location of the mouse (in inches, centimeters or pixels). The rulers DA is fairly useful for anyone who doesn't own MacDraw or who needs to do accurately measured drawings with MacPaint. "Coordinates" is a pretty useless desk accessory, but programmers might find it helpful in trying to determine where to put dialog boxes, controls, windows, etc...

"Accessory Pak 1" is a good buy at \$25.95 and for anyone who needs these types of functions, I recommend it.

Tom May

JAZZ ON THE MACINTOSH book review

Jazz by Lotus Corporation is a very powerful package and flexible integrated software program for the Macintosh. The book *Jazz On The Macintosh* helps people understand and use the program's full functions and capabilities.

Learning any piece of software takes practice and lots of examples. This book provides a constant supply of examples and mini scenarios to help illustrate the finer points of Jazz.

It begins by first introducing Jazz itself and the concept of integration. Although the worksheet (or spreadsheet) is Jazz's most powerful feature, the book starts off by explaining the concept and usage of the database. The database is by no means an all powerful relational type database but is more designed for the needs of integration and support of the worksheet. The book does a good job of describing the functions of the database and gives many more examples than found in the Jazz Handbook itself. In the Database Reporting section, the book takes the user through the process step by step and gives many helpful hints and different possible ways to achieve a

certain format or function. However, when one just wants to look up a particular function for quick reference, the Jazz Handbook is much better suited for the job.

Then we come to the chapters on the Worksheet, these two chapters give an excellent walkthrough on the features of the Jazz worksheet and its versatility. Just like 1-2-3, the worksheet is Jazz's most powerful module. When in the worksheet one can still transfer information from the database through the Paste Special function which allows one to get data from several databases, set it up on the worksheet and do analysis or forecasting. The book's many illustrations are a great help in describing the more intricate ways of manipulating the worksheet and data.

After describing the worksheet, the book goes on to show the user how to set up charts and other graphical representations of the data. A lot of in depth descriptions of the various functions follow. At the end however, the reader should be able to set up almost any chart or graph with no trouble.

At this point, the book leads the reader to the HotView feature through which the concept of integration is seen through practical examples. The integration is achieved through the wordprocessing module of the program. When properly set up, any updates to the worksheet or database will produce an instantaneous update to the rest of the modules. This feature is great but its use and set up is not always easily understood. With the examples and helpful illustrations, the book manages to explain the HotView feature very well. The wordprocessor itself is not very powerful but adequate for most memos and reports that do not require features like footnotes and such.

The next chapter describes the communications module and the rest of the book is devoted to bringing all the mini scenarios together in a report and a very helpful section called Jazz at a Glance provides a list of all commands and a brief description of its functions. For people who find that the mouse wastes too much time, a section on keyboard commands is provided and so are ASCII tables.

The book is written in a easy to read style, yet it does not leave out the essential information. In all, this is a very helpful book that provides the beginner or experienced user the key to unlocking the full potential of Jazz.

Karen Quek

DECEMBER CLASS SCHEDULE

Macintosh Orientations: The purpose of this class is to introduce the basic commands that you will use to operate the Mac with the software.

Date	Day	Time	Room
Dec. 5	Thursday	2:00p-3:30p	4.108
Dec.10	Tuesday	9:30a-11:00a	4.108
Dec.18	Wednesday	10:00a-11:30a	4.108

MacWrite/MacPaint: In this class, we'll show you how to use MacWrite to create documents and templates, organize your files, and use an external disk drive. With MacPaint, you will learn how to use the option, shift and command keys, create animated objects and more!

Date	Day	Time	Room
Dec. 2	Monday	1:00p-2:30p	4.108
Dec.12	Thursday	10:00a-11:30a	4.108
Dec.19	Thursday	1:00p-2:30p	4.108

Multiplan and Chart: Spreadsheets and charts are the topics of this class! You'll learn how to set up your spreadsheet and link it with Microsoft Chart which can create up to 42 different charts.

Date	Day	Time	Room
Dec.11	Thursday	2:00p-3:30p	4.108
Dec.16	Monday	1:00p-2:30p	4.108

MacTerminal/VersaTerm: Interested in computer telecommunications? This class will give you an introduction to telecommunications in general, and specifically it will show you how to get your Macintosh up and running on remote computers.

Date	Day	Time	Room
Dec. 4	Wednesday	1:00p-2:00p	4.108

MS Word: Is MacWrite not good enough for your particular word processing needs? This class will first introduce the fundamental differences between Word and MacWrite, and will demonstrate such Word exclusives as footnoting, glossaries, multiple column printing.

Date	Day	Time	Room
Dec. 3	Tuesday	1:30p-3:00p	4.108
Dec. 17	Tuesday	1:30p-3:00p	4.108

MS File: This course will provide introductory instructions necessary to create and work successfully within Microsoft File. Main topics include: creating, working in and editing a data file, in addition to creating a report.

Date	Day	Time	Room
Dec. 2	Monday	10:00a-11:00a	4.108

Little Tricks on the Mac: This is an intermediate level course that provides helpful hints on using your Macintosh. In addition, the font mover and the public domain Ram Disk will be discussed.

Date	Day	Time	Room
Dec. 9	Monday	1:00p-2:00p	4.224

MacDraw: Are you ready to go beyond MacPaint? This course will cover the basic useage of this object-oriented graphics package.

<u>Date</u>	<u>Day</u>	<u>Time</u>	<u>Room</u>
Dec. 4	Wednesday	2:00p-3:00p	4.108

Advanced Word Processing: This class will give students a chance to get together and discuss their word processing problems using MS Word and MacWrite.

<u>Date</u>	<u>Day</u>	<u>Time</u>	<u>Room</u>
Dec. 10	Tuesday	2:00p-3:00p	4.108

Hardware Products Review: The MicroCenter carries Macintosh, IBM, Hewlett Packard and Zenith computers. This class will compare and contrast the hardware and software for these machines.

<u>Date</u>	<u>Day</u>	<u>Time</u>	<u>Room</u>
Dec. 5	Thursday	1:00p-2:00p	4.108

What's New at the MicroCenter: The class will demonstrate some of the new products in our store.

<u>Date</u>	<u>Day</u>	<u>Time</u>	<u>Room</u>
Dec. 3	Tuesday	10:00a-11:00a	4.108
Dec. 9	Monday	10:00a-11:00a	4.108

CLASSES ARE HELD IN THE TEXAS UNION

HARDWARE

MACINTOSH 128K PERSONAL COMPUTER.....	1160.00
MACINTOSH 512K PERSONAL COMPUTER.....	1545.00
MACINTOSH 512K MEMORY EXPANSION KIT.....	350.00
MACINTOSH NUMERIC KEYPAD.....	75.00
MACINTOSH EXTERNAL DRIVE.....	360.00
IMAGEWRITER PRINTER W/MAC ACC KIT.....	443.00
15" IMAGEWRITER W/MAC ACC KIT.....	508.00
APPLE MODEM 300 W/MAC ACCKIT.....	165.00
VOLKS MODEM 1200 W/MAC ACCKIT.....	185.00
MACINTOSH CARRYING CASE (APPLE).....	75.00
MACINTOSH CARRYING CASE(DOUGLAS).....	64.00
IMAGEWRITER CARRYING CASE.....	35.00
MACINTOSH SECURITY KIT.....	37.00
MAXELL 3.5" BLANK DISKS.....	22.00
ACCKIT FOR MODEM & MAC.....	36.30
LASERWRITER PRINTER.....	4636.80

ASK US ABOUT OUR SPECIAL BUNDLES

PERIPHERALS

BOOK-THE APPLE MACINTOSH BOOK.....	12.00
BOOK-PRESENTATION GRAPHICS ON THE MAC.....	14.00
BOOK-MACWORK/MACPLAY.....	14.00
BOOK-MACINTOSH PASCAL.....	15.00
BOOK-MICROSOFT BASIC.....	14.30
BOOK-JAZZ ON THE MAC.....	17.15
BOOK-MAC REVEALED VOL. I.....	18.65
BOOK-MAC REVEALED VOL II.....	21.55
PAPER, 1000 SHEETS, LASER CUT, 8.5 X 11".....	15.95
PAPER: 250 SHEETS, LASER CUT, 8.5 X 11.....	5.25
PAPER: 2500 SHEETS, LASER CUT, 8.5 X 11.....	35.00
PAPER: 250 SHEETS LASER CUT 8.5 X 11 25% RAG.....	8.95
PAPER: 250 SHEETS LASER CUT 8.5X 11 IVORY.....	8.95
CLOTH RIBBON FOR IMAGEWRITER.....	7.00
KENSINGTON SWIVEL BASE.....	25.00
KENSINGTON SURGE SUPPRESSOR.....	40.00
KENSINGTON AB BOX.....	64.95
MICROFILE 40.....	11.95
TEAK DISK FILE.....	19.99
MACSTATION DUST COVER.....	19.25
MACINTOSH DUST COVER.....	18.00
COLORED RIBBONS: RD, GR, BLU, BR, YL, PL.....	7.00
MACSTATION.....	59.00
MAC CONTROL CENTER.....	71.95
THE EASEL (DISK CARRYING CASE).....	11.00
THE EASEL MINI WALLET.....	9.95
MOUSEPAD.....	6.00
DISK HEADCLEANERS.....	21.95
THUNDERSCAN.....	169.00
PRINTER STAND (UNIVERSAL).....	12.00
OAK PRINTER STANDS.....	9.95

PRODUCTIVITY SOFTWARE

MICROSOFT BASIC.....	75.00
MICROSOFT MULTIPLAN.....	99.00
MICROSOFT CHART.....	65.00
MICROSOFT WORD.....	99.00
MICROSOFT FILE.....	99.00
MICROSOFT PACKAGE (INCLUDES BASIC, MULTIPLAN, CHART, WORD, FILE AND THE APPLE MACINTOSH BOOK).....	299.00
DB MASTER FOR THE MACINTOSH.....	87.75
MACTERMINAL.....	83.00
MACPROJECT.....	130.00
DOLLARS & SENSE.....	90.95
FORECAST.....	42.98

VERSATERM (COMMUNICATIONS SOFTWARE).....	61.00
FACTFINDER.....	83.00
SPELLER.....	51.95
MACDRAW.....	83.00
QUICKDISK (A RAM DISK).....	25.00
JAZZ.....	265.00
FILEMAKER.....	117.00
ACCESSORY PAK I (GRAPHICS TOOLS).....	25.95
SIDEKICK.....	51.00
VIDEOWORKS.....	64.95

LANGUAGES

MICROSOFT BASIC.....	75.00
MACINTOSH PASCAL.....	83.00
MEGAMAX C (COMPILED).....	182.16
MICROSOFT FORTRAN (COMPILED).....	119.00
MAC ADVANTAGE (COMPILED PASCAL).....	163.00
68000 DEVELOPMENT SYSTEM.....	83.00
(INCLUDES INSIDE MACINTOSH)	

GAMES

CONCERTWARE +.....	49.95
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LASERWRITER APPLECARE.....	325.00

Some items may be out of stock.

All prices are subject to change without notice.

All of these items are available for sale over the counter
in the MicroCenter Store.

11/14/85

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